# UPRC Joins GreenTouch Consortium

*Collaborates with Industry Leaders to Dramatically Improve Network Energy Efficiency by a Factor of 1,000.*

**PIRAEUS, GREECE, 05.06.2012** – UPRC (University of Piraeus Research Center) announced today that it has joined GreenTouch™, a global industry consortium dedicated to dramatically improving the energy efficiency of information and communications technology (ICT) networks by a factor of 1,000.

The driver of the UPRC activities will be the Telecommunication Networks and Integrated Services (TNS) Laboratory.

UPRC will collaborate with other GreenTouch members – including service providers, equipment vendors, research institutions and universities from across the industry – to research and invent technologies that will enable more energy efficient networks, plus create the network architecture, specifications and roadmaps that will define them.

UPRC is committed to environmental sustainability and the decision to join GreenTouch is a further demonstration of that commitment. UPRC looks forward to applying deep experience in networking technology and communications to advance GreenTouch initiatives.

"UPRC shares the vision of a sustainable, energy-efficient future for information and communications technology networks," said Panagiotis Demestichas, Professor. "We believe the GreenTouch Consortium will play a decisive role in realizing that vision, and we welcome the opportunity to take part in such an ambitious effort and work with other leading experts from across the industry and around the world."

UPRC will focus on the application of advanced intelligence, e.g. autonomic cognitive management and in the reinvention of telecommunication networks and the Internet in order to contribute to the GreenTouch objectives.

"In making this commitment to GreenTouch, UPRC is making a bold statement to the global community about its dedication to reducing the carbon footprint and improving the environment," said Gee Rittenhouse, chairman of the GreenTouch Consortium and vice president of research at Alcatel-Lucent Bell Labs. "We are pleased to welcome UPRC to GreenTouch, and expect that they will make a significant contribution and support the consortium in reaching its ambitious goal."

## About UPRC and the Telecommunication Networks and Integrated Services (TNS) Laboratory

Telecommunication Networks and Integrated Services Laboratory (TNS Lab - http://tns.ds.unipi.gr/) is framed within Department of Digital Systems (http://www.ds.unipi.gr/) of University of Piraeus (http://www.unipi.gr/) and University of Piraeus Research Center (UPRC), which is  the entity that provides administration and technological support to basic and applied research carried out by the teaching staff of the University, at the international or national level.

TNS research areas include cognitive networks and services, autonomic computing, Internet technologies, smart services in the Future Internet, wireless and broadband networks, network and service management, design and management of broadband networks, network simulation and performance evaluation, heuristic- and machine learning-based optimization algorithms, service and software engineering.

Recent focus has been given in the areas of an autonomic Future Internet (e.g. UniverSelf Project - http://www.univerself-project.eu), cognitive management and opportunistic networks/ cognitive radio networks (e.g. OneFIT Project - http://www.ict-onefit.eu/), the Internet of Things (e.g. iCore Project - http://www.iot-icore.eu/), applications and services.

UPRC/TNS in highly involved in the ETSI (European Telecommunications and Standardization Institute), has been involved in IEEE standardisation, is involved in the WWRF (Wireless

World Research Forum) and NGMN Alliance (Next Generation Mobile Networks) and is a member of the European Network of Living Labs (ENoLL).

**About GreenTouch**

GreenTouch is a global consortium of leading service providers, academic and industrial research institutions and non-governmental organizations working together to define the challenges, identify the trends and issues and develop solutions that will achieve the goal of delivering within five years the architecture, specifications, roadmap and demonstrations of key components needed to increase the energy efficiency of ICT networks – in particular, the service provider networks that make up the Internet – by a factor of 1,000 from current levels.

In June 2010, GreenTouch received an award for energy efficiency innovation at the Global Telecoms Business Innovation Awards event. For more information, go to www.greentouch.org.



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